

APPENDIX A  
NOTICE OF VIOLATION

Maine Yankee Atomic Power Company  
Maine Yankee Nuclear Generating Station

Docket No. 50-309  
License No. DPR-36

As a result of the inspection conducted on January 7-10, 1991, and in accordance with the NRC Enforcement Policy (10 CFR 2, Appendix C), the following violation was identified:

Technical Specification 5.11.1 requires that procedures for personnel radiation protection be prepared consistent with the requirements of 10 CFR 20 and be approved, maintained and adhered to for all operations involving personnel radiation exposure.

Radiation Protection Procedure No. 9.1.19, Revision 12, states in Section 2 that, for radioactive materials designated as "Sub" in the "Isotope" column of Appendix B, Table I, of 10 CFR 20, the concentration value specified is based upon exposure to the material as an external radiation source. Individual exposures to the materials shall be accounted for as part of the limitation on individual dose in 10 CFR 20.101. The beta component will be calculated.

Contrary to the above, between 11:21 a.m. and 1:45 p.m. on December 19, 1990, and between 2:40 a.m. and 4:00 a.m. on December 20, 1990, personnel working on the Number 1 Steam Generator platform, were exposed to airborne concentrations of Xe-133 and Xe-135, radioactive materials designated "Sub" in the "Isotope" column of Appendix B, Table I, of 10 CFR 20, and the beta component of the personnel radiation exposure was not calculated as part of the limitation on individual dose in 10 CFR 20.101.

This is a Severity Level IV violation (Supplement IV).

Pursuant to the provisions of 10 CFR 2.201, Maine Yankee Atomic Power Company is hereby required to submit to this office within thirty days of the date of the letter which transmitted this Notice, a written statement or explanation in reply, including: (1) the corrective steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending this response time.

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## Maine Yankee (Continued)

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